

Laptops

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Laptop processor ranking

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ASUS ROG Strix G18 G814JV-N5004W

Price and specs

Main specs

Processor

[Intel Core i9-13980HX](#)

RAM

32GB DDR5-SDRAM

Screen

18" 1920x1200 IPS 165Hz

Operating system

Windows 11 Home

Hard drive

1TB SSD M.2

Graphics card

NVIDIA GeForce RTX 4060 8GB GDDR6

amazon

See price

Alternatives with same CPU

ASUS ProArt StudioBook 16 OLED H7604JV-MY031X

2905.48 € 10 ⚡ 82 Intel Core i9 i9-13980HX 16" 3200x2000 OLED 120Hz 32GB DDR5-SDRAM 1TB SSD M.2 Windows 11 Pro
NVIDIA GeForce RTX 4060 8GB GDDR6

ASUS ProArt StudioBook 16 OLED H7604JV-MY083X

3587.8 € 9.6 ⚡ 82 Intel Core i9 i9-13980HX 16" 3200x2000 OLED 120Hz 32GB DDR5-SDRAM 1TB SSD M.2 Windows 11 Pro
NVIDIA GeForce RTX 4060 8GB GDDR6

ASUS ROG Strix G16 G614JI-N4006

3267.71 € 9.5 ⚡ 81 Intel Core i9 i9-13980HX 16" 2560x1600 IPS 240Hz 32GB DDR5-SDRAM 1TB SSD M.2 N
NVIDIA GeForce RTX 4070 8GB GDDR6

18%

6%

Full specifications

Reference 90NR0CM1-M001X0	Release date 04-2023, 11 months ago
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Design

Product type Laptop	Product colour Black, Grey	Form factor Clamshell	Colour name Eclipse Gray
Market positioning Gaming	Introduction year 2023		

Display

Display diagonal 45,7 cm	Display resolution 1920 x 1200 pixels	Touchscreen No	HD type WUXGA
Panel type IPS	LED backlight Yes	Native aspect ratio 16:10	Anti-glare screen Yes
Display brightness 300 cd/m ²	RGB colour space Adobe RGB	Colour gamut 75,35 %	Display response rise/fall 7 ms
Maximum refresh rate 165 Hz			

Processor

Processor family Intel® Core™ i9	Processor manufacturer Intel	Processor model i9-13980HX	Processor generation 13th gen Intel® Core™ i9
Processor boost frequency 5,6 GHz	Efficient-core boost frequency 4 GHz	Processor cores 24	Processor cache 36 MB

Memory

Internal memory 32 GB	Maximum internal memory 32 GB	Internal memory type DDR5-SDRAM	Memory clock speed 4800 MHz
Memory form factor SO-DIMM	Memory layout (slots x size) 2 x 16 GB	Memory slots 2x SO-DIMM	

Storage

Total storage capacity 1 TB	Storage media SSD	Optical drive type No	Total SSDs capacity 1 TB
Number of SSDs installed 1	SSD capacity 1 TB	SSD interface PCI Express 4.0	NVMe Yes
SSD form factor M.2	Card reader integrated No		

Graphics

On-board graphics card Yes	Discrete graphics card Yes	Discrete graphics card model NVIDIA GeForce RTX 4060	On-board graphics card model Intel® UHD Graphics
Discrete GPU manufacturer NVIDIA	On-board GPU manufacturer Intel	Discrete graphics card memory 8 GB	Discrete graphics memory type GDDR6
NVIDIA G-SYNC Yes			

Audio

Audio system Smart Amp	Number of built-in speakers 2	Built-in microphone Yes
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Laptops

Front camera 1 Compare laptops Yes Laptop processor ranking	Front camera HD type HD
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Laptop brands list

Network

Mobile network connection No	Top Wi-Fi standard Wi-Fi 6E (802.11ax)	Wi-Fi standards Wi-Fi 6E (802.11ax)	Antenna type 2x2
Ethernet LAN Add laptops to your favourites list to compare them Yes	Ethernet LAN data rates 10,100,1000 Mbit/s	Bluetooth Yes	Bluetooth version 5.2

Ports & interfaces

HDMI ports quantity 1	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity 2	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity 1	Ethernet LAN (RJ-45) ports 1
HDMI version 2.1	Thunderbolt 4 ports quantity 1	Intel® Thunderbolt 4 Yes	Combo headphone/mic port Yes
Power adapter barrel connector 6.0 mm	USB Type-C DisplayPort Alternate Mode Yes	USB Power Delivery Yes	

Keyboard

Numeric keypad Yes	Pointing device Touchpad	Keyboard backlit Yes	Keyboard backlit colour RGB
Keyboard backlit zone Per-key RGB			

Software

Operating system installed Windows 11 Home	Operating system architecture 64-bit
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Battery

Battery capacity 90 Wh	Battery technology Lithium-Ion (Li-Ion)	Number of battery cells 4
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Power

AC adapter power 280 W	AC adapter frequency 50 - 60 Hz	AC adapter input voltage 100 - 240 V	AC adapter output current 14 A
AC adapter output voltage 20 V			

Security

Trusted Platform Module (TPM) Yes	Password protection Yes	Password protection type BIOS,User
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Weight & dimensions

Weight 4,14 kg	Width 399 mm	Depth 294 mm	Height (front) 2,31 cm
Height (rear) 3,08 cm			

Packaging data

Package width 350 mm	Package depth 460 mm	Package height 110 mm	Package weight 4,39 kg
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	HP Envy x360 2-in-1 Laptop 15- fe0520nd	HP 304 originale zwarte inkcartridge
18%		

Laptop comparison

We compile and classify prices and specs of thousands of laptops to help you find the one that best suits your needs.

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